

RAW SEQUENCE LISTING

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Application Serial Number: 10/529,094
Source: IFWP
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IFWP

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PATENT APPLICATION: US/10/529,094

DATE: 07/05/2006

TIME: 14:15:50

Input Set : A:\26470401.APP
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3 <110> APPLICANT: ORMANDY, CHRISTOPHER J.
 4 NAYLOR, MATTHEW JOHN
 6 <120> TITLE OF INVENTION: METHOD FOR INDUCING MAMMARY EPITHELIAL CELL
 7 DIFFERENTIATION
 9 <130> FILE REFERENCE: 026470-0401
 11 <140> CURRENT APPLICATION NUMBER: 10/529,094
 C--> 12 <141> CURRENT FILING DATE: 2005-03-24
 14 <150> PRIOR APPLICATION NUMBER: PCT/AU03/001266
 15 <151> PRIOR FILING DATE: 2003-09-25
 17 <150> PRIOR APPLICATION NUMBER: 60/413,978
 18 <151> PRIOR FILING DATE: 2002-09-25
 20 <160> NUMBER OF SEQ ID NOS: 31
 22 <170> SOFTWARE: PatentIn Ver. 3.3
 24 <210> SEQ ID NO: 1
 25 <211> LENGTH: 13
 26 <212> TYPE: PRT
 27 <213> ORGANISM: Artificial Sequence
 29 <220> FEATURE:
 30 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
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 35 1 5 10
 38 <210> SEQ ID NO: 2
 39 <211> LENGTH: 30
 40 <212> TYPE: PRT
 41 <213> ORGANISM: Homo sapiens
 43 <400> SEQUENCE: 2
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 47 Gly Asn His Arg Ser Phe Ser Asp Lys Asn Gly Leu Thr Ser
 48 20 25 30
 51 <210> SEQ ID NO: 3
 52 <211> LENGTH: 29
 53 <212> TYPE: PRT
 54 <213> ORGANISM: Bos taurus
 56 <400> SEQUENCE: 3
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 58 1 5 10 15
 60 Asp Ser His Arg Ser Phe Gln Asp Lys His Gly Leu Ala
 61 20 25
 64 <210> SEQ ID NO: 4
 65 <211> LENGTH: 29

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66 <212> TYPE: PRT
67 <213> ORGANISM: Sus scrofa
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71 1 5 10 15
73 Asp Asn His Arg Ser Phe His Asp Lys Tyr Gly Leu Ala
74 20 25
77 <210> SEQ ID NO: 5
78 <211> LENGTH: 29
79 <212> TYPE: PRT
80 <213> ORGANISM: Rattus rattus
82 <400> SEQUENCE: 5
83 Gly Trp Thr Leu Asn Ser Ala Gly Tyr Leu Leu Gly Pro His Ala Ile
84 1 5 10 15
86 Asp Asn His Arg Ser Phe Ser Asp Lys His Gly Leu Thr
87 20 25
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91 <211> LENGTH: 29
92 <212> TYPE: PRT
93 <213> ORGANISM: Artificial Sequence
95 <220> FEATURE:
96 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
97 peptide
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100 Gly Trp Thr Leu Asn Ser Ala Gly Tyr Leu Leu Gly Pro His Ala Val
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103 Asn His Arg Ser Phe Ser Asp Lys Asn Gly Leu Thr Ser
104 20 25
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108 <211> LENGTH: 123
109 <212> TYPE: PRT
110 <213> ORGANISM: Homo sapiens
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116 Ala Leu Ser Ala Ser Ala Gly Leu Trp Ser Pro Ala Lys Glu Lys Arg
117 20 25 30
119 Gly Trp Thr Leu Asn Ser Ala Gly Tyr Leu Leu Gly Pro His Ala Val
120 35 40 45
122 Gly Asn His Arg Ser Phe Ser Asp Lys Asn Gly Leu Thr Ser Lys Arg
123 50 55 60
125 Glu Leu Arg Pro Glu Asp Asp Met Lys Pro Gly Ser Phe Asp Arg Ser
126 65 70 75 80
128 Ile Pro Glu Asn Asn Ile Met Arg Thr Ile Ile Glu Phe Leu Ser Phe
129 85 90 95
131 Leu His Leu Lys Glu Ala Gly Ala Leu Asp Arg Leu Leu Asp Leu Pro
132 100 105 110
134 Ala Ala Ala Ser Ser Glu Asp Ile Glu Arg Ser
135 115 120

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138 <210> SEQ ID NO: 8
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147 Ala Leu Ser Ala Thr Leu Gly Leu Gly Ser Pro Val Lys Glu Lys Arg
148 20 25 30
150 Gly Trp Thr Leu Asn Ser Ala Gly Tyr Leu Leu Gly Pro His Ala Leu
151 35 40 45
153 Asp Ser His Arg Ser Phe Gln Asp Lys His Gly Leu Ala Gly Lys Arg
154 50 55 60
156 Glu Leu Glu Pro Glu Asp Glu Ala Arg Pro Gly Ser Phe Asp Arg Pro
157 65 70 75 80
159 Leu Ala Glu Asn Asn Val Val Arg Thr Ile Ile Glu Phe Leu Thr Phe
160 85 90 95
162 Leu His Leu Lys Asp Ala Gly Ala Leu Glu Arg Leu Pro Ser Leu Pro
163 100 105 110
165 Thr Ala Glu Ser Ala Glu Asp Ala Glu Arg Ser
166 115 120
169 <210> SEQ ID NO: 9
170 <211> LENGTH: 123
171 <212> TYPE: PRT
172 <213> ORGANISM: Sus scrofa
174 <400> SEQUENCE: 9
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176 1 5 10 15
178 Ala Leu Ser Ala Thr Leu Gly Leu Gly Ser Pro Val Lys Glu Lys Arg
179 20 25 30
181 Gly Trp Thr Leu Asn Ser Ala Gly Tyr Leu Leu Gly Pro His Ala Ile
182 35 40 45
184 Asp Asn His Arg Ser Phe His Asp Lys Tyr Gly Leu Ala Gly Lys Arg
185 50 55 60
187 Glu Leu Glu Pro Glu Asp Glu Ala Arg Pro Gly Gly Phe Asp Arg Leu
188 65 70 75 80
190 Gln Ser Glu Asp Lys Ala Ile Arg Thr Ile Met Glu Phe Leu Ala Phe
191 85 90 95
193 Leu His Leu Lys Glu Ala Gly Ala Leu Gly Arg Leu Pro Gly Leu Pro
194 100 105 110
196 Ser Ala Ala Ser Ser Glu Asp Ala Gly Gln Ser
197 115 120
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201 <211> LENGTH: 116
202 <212> TYPE: PRT
203 <213> ORGANISM: Homo sapiens
205 <400> SEQUENCE: 10
206 Met Ala Pro Pro Ser Val Pro Leu Val Leu Leu Val Leu Leu Leu
207 1 5 10 15

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209 Ser Leu Ala Glu Thr Pro Ala Ser Ala Pro Ala His Arg Gly Arg Gly
210 20 25 30
212 Gly Trp Thr Leu Asn Ser Ala Gly Tyr Leu Leu Gly Pro Val Leu His
213 35 40 45
215 Leu Pro Gln Met Gly Asp Gln Asp Gly Lys Arg Glu Thr Ala Leu Glu
216 50 55 60
218 Ile Leu Asp Leu Trp Lys Ala Ile Asp Gly Leu Pro Tyr Ser His Pro
219 65 70 75 80
221 Pro Gln Pro Ser Lys Arg Asn Val Met Glu Thr Phe Ala Lys Pro Glu
222 85 90 95
224 Ile Gly Asp Leu Gly Met Leu Ser Met Lys Ile Pro Lys Glu Glu Asp
225 100 105 110
227 Val Leu Lys Ser
228 115
231 <210> SEQ ID NO: 11
232 <211> LENGTH: 60
233 <212> TYPE: PRT
234 <213> ORGANISM: Homo sapiens
236 <400> SEQUENCE: 11
237 Ala Pro Ala His Arg Gly Arg Gly Trp Thr Leu Asn Ser Ala Gly
238 1 5 10 15
240 Tyr Leu Leu Gly Pro Val Leu His Leu Pro Gln Met Gly Asp Gln Asp
241 20 25 30
243 Gly Lys Arg Glu Thr Ala Leu Glu Ile Leu Asp Leu Trp Lys Ala Ile
244 35 40 45
246 Asp Gly Leu Pro Tyr Ser His Pro Pro Gln Pro Ser
247 50 55 60
250 <210> SEQ ID NO: 12
251 <211> LENGTH: 60
252 <212> TYPE: PRT
253 <213> ORGANISM: Sus scrofa
255 <400> SEQUENCE: 12
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257 1 5 10 15
259 Tyr Leu Leu Gly Pro Val Leu His Pro Pro Ser Arg Ala Glu Gly Gly
260 20 25 30
262 Gly Lys Gly Lys Thr Ala Leu Gly Ile Leu Asp Leu Trp Lys Ala Ile
263 35 40 45
265 Asp Gly Leu Pro Tyr Pro Gln Ser Gln Leu Ala Ser
266 50 55 60
269 <210> SEQ ID NO: 13
270 <211> LENGTH: 60
271 <212> TYPE: PRT
272 <213> ORGANISM: Rattus rattus
274 <400> SEQUENCE: 13
275 Ala Pro Ala His Arg Gly Arg Gly Trp Thr Leu Asn Ser Ala Gly
276 1 5 10 15
278 Tyr Leu Leu Gly Pro Val Leu His Leu Ser Ser Lys Ala Asn Gly Gly
279 20 25 30

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281 Arg Lys Thr Asp Ser Ala Leu Glu Ile Leu Asp Leu Trp Lys Ala Ile
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285      50          55          60
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289 <211> LENGTH: 765
290 <212> TYPE: DNA
291 <213> ORGANISM: Homo sapiens
293 <400> SEQUENCE: 14
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295 agcgccccag gcccgcagag cccacccgac cccggccgac gcccggacct gcccggcaga 120
296 cccgccaccc cacccggacc cgcacgtcc gaacccggc gcagccgcag ctcaagatgg 180
297 cccgaggcag cgcgcctt ctgcgcctcc tcctcctcgc cgccgcctt tctgcctctg 240
298 cggggctctg gtcgcggcc aaggaaaaaa gaggtctggac cctgaacagc gcgggctacc 300
299 tgctggggcc acatgccgtt ggcacaccaca ggtcattcag cgacaagaat ggccctcacca 360
300 gcaagcggga gctgcggccc gaagatgaca tgaaccagg aagcttgac aggtccatac 420
301 ctgaaaacaa tatcatgcgc acaatcatgg agttctgtc ttcttgcattt ctcaaagagg 480
302 cccgtgcctt cgaccgcctc ctggatctcc cccgcgcagc ctccctcagaa gacatcgagc 540
303 ggtcctgaga gcctcctggg catgtttgtc tgtgtctgt aacctgaagt caaaccttaa 600
304 gataatggat aatctcgcc caatttatgc agagtcagcc attcctgttc tctttgcctt 660
305 gatgttgtgt tgttatcatt taagatttt ttttttggtaattatttt agtggcaaaa 720
306 taaagaatag caattaaaaa aaaaaaaaaaca aaaaaaaaaa aaaaaa 765
309 <210> SEQ ID NO: 15
310 <211> LENGTH: 675
311 <212> TYPE: DNA
312 <213> ORGANISM: Bos taurus
314 <400> SEQUENCE: 15
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317 ccccccggacc tccggggccc gctcaagatg cccagaggct ccgtcctgtc gctgcctcc 180
318 ctgctcctcg cagcgcctt ttccgcacc ctggcctcg ggtcaccggtaaaggagaag 240
319 agaggctgga ccctgaacag cgctgggtac ttctcgac cacatgcgt cgacagccac 300
320 agtcatttc aagacaagca tggcctcgcc ggcaagcggg aactcgagcc tgaagacgaa 360
321 gcccgcccgaa gaagcttga cagaccactg gcggagaaca acgtcgtcg cacgataatc 420
322 gagttctga ctgcctcgca tctcaaagac gccggccccc tggagcgcctt gcccagtctc 480
323 cccacagcag agtccgcaga agacgcggag aggtcctgag cgggctcccg cgctcggtc 540
324 tccctgtgtc acgcgcgtc gtgcctcccg gaggatgccc atcgcatggc aaccggccca 600
325 tcccccgtgc cctgatgctg tgtccgtacc attcaggtt tttccctt ggtcataagt 660
326 ttcaagtggca aaattt 675
329 <210> SEQ ID NO: 16
330 <211> LENGTH: 774
331 <212> TYPE: DNA
332 <213> ORGANISM: Sus scrofa
334 <400> SEQUENCE: 16
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336 cggtgagcgc cctccagccc tgcccgaccc aaccggaccc gcgtcccccgc cgacagccca 120
337 ggaccccgctg gcacccgggg accccctggc atctcagacc cgccgacccc cggggcccg 180
338 cgacacccca agacccacccg acactccggg accccccgtc gctcaagatg cccagaggct 240
339 ggcgcctcct gctggcctcc ctactcctcg ttccggccctt ttcagccacc ctggggctcg 300

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VERIFICATION SUMMARY

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